

Title (en)

POLYPHENYL-BASED ESTER COMPOUNDS AND LIQUID CRYSTAL COMPOSITIONS CONTAINING SAME

Publication

EP 0191600 B1 19911227 (EN)

Application

EP 86300799 A 19860206

Priority

- JP 2292085 A 19850208
- JP 8703485 A 19850423
- JP 11705385 A 19850530
- JP 16265685 A 19850723

Abstract (en)

[origin: EP0191600A2] Polyphenyl-based liquid crystal compounds represented by the following general formula (1) and liquid crystal composition containing the same: wherein R' represents a straight or branched C₁₋₁₈ alkyl group, haloalkyl group, aralkyl group or haloaralkyl group with or without optically active carbon, R² represents a straight or branched C₁₋₆ alkyl group, haloalkyl group or aralkyl group with or without optically active carbon, W represents single bond, -O-, -OCOO-, -OCO- or -COO-, T represents a halogen atom or a methyl group, but when W is selected from the group consisting of single bond, -O- or -OCOO- T is only a halogen atom, X represents -OCO-, -COO-, -C=C-, -CH=N-, -N=CH, Y represents single bond, -O-, -COO-, -OCO-, -CH₂-, -OCH₂-, -COOCH₂- or -OCOCH₂-, Z, and Z₂ represent a hydrogen or halogen atom, a cyano group or nitro group, Z, may be the same or different from Z₂, n and m are one or more than one each and a total of n and m is three or more than three, the carbon atom marked with * is an asymmetric carbon atom.

IPC 1-7

C07C 69/76; C07C 69/90; C09K 19/20

IPC 8 full level

C07C 69/773 (2006.01); **C09K 19/12** (2006.01); **C09K 19/20** (2006.01)

CPC (source: EP US)

C09K 19/126 (2013.01 - EP US); **C09K 19/2021** (2013.01 - EP US)

Citation (examination)

Ferroelectrics 85 (1988), 469-478

Cited by

US5120467A; US4753752A; US5252252A; US4831182A; EP0248335A3; US4834904A; US5324451A; GB2201415A; GB2201415B; EP0425366A3; US5130050A; US4816181A; EP0267585A3; US4695650A; US4828754A; US4769176A; US4798680A; DE3627964A1; GB2182037B; DE3627964C2; US4778621A; EP0360683A1; FR2636960A1; EP0231853A3; US4914224A; US5064566A; EP0244129A3; US4759869A; US4780242A; US5312564A; US4737313A; EP0418140A1; FR2651790A1; US4857227A; US5328639A; EP0237007A3; US4867903A; US5279762A; WO8705017A3; EP0329153B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0191600 A2 19860820; EP 0191600 A3 19870520; EP 0191600 B1 19911227; DE 3683062 D1 19920206; US 4728458 A 19880301; US 4911861 A 19900327; US 5100579 A 19920331

DOCDB simple family (application)

EP 86300799 A 19860206; DE 3683062 T 19860206; US 12107187 A 19871116; US 41834189 A 19891006; US 82744986 A 19860210